



SKF YEL 211-2F

Insert bearing with an eccentric locking collar and extended inner ring

Insert bearings are based on sealed deep groove ball bearings. This variant is intended for use in applications where the direction of rotation is constant. It has an inner ring extended on both sides, with an eccentric locking collar, enabling quick and easy mounting onto the shaft.

Technical specifications

Dimensions	
Bore diameter	55 mm
Outside diameter	100 mm
Overall bearing width	71.4 mm
Width of inner ring	55.6 mm
Width of outer ring	25 mm
Outside diameter of inner ring	69.06 mm
Outside diameter of locking collar	74.5 mm
Distance from side face to thread centre	7.9 mm
Chamfer dimension of inner ring	1 mm
Distance from locking device side face to raceway centre	43.6 mm
Shaft diameter	55 mm
Width, total	71.4 mm
Width, inner ring	55.6 mm
Width, outer ring	25 mm

Calculation data	
Basic dynamic load rating	43.6 kN
Basic static load rating	29 kN
Fatigue load limit	1.25 kN
Limiting speed	3600 r/min
	Limiting speed with shaft tolerance h6
Calculation factor	14

Mounting information	
Set screw	M10x1
Hexagonal key size for set screw	5 mm
Recommended tightening torque for set screw	16.5 N·m

Performance	
Basic dynamic load rating	43.6 kN
Basic static load rating	29 kN
Limiting speed	3600 r/min
Note	Limiting speed with shaft tolerance h6

Properties	
Retaining feature, inner ring	Eccentric collar
Bore type	Cylindrical
Rolling elements	Balls
Outer ring type	Spherical
Inner ring extension	On both sides
Cage	Non-metallic
Rubber seating ring	Without
Material, bearing	Bearing steel
Coating	Without
Sealing	Seal and flinger on both sides
Sealing type	Contact, standard
Lubricant	Grease

Relubrication feature	With
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Logistics	
Product net weight	1.25 kg
eClass code	23-05-08-02
UNSPSC code	31171536

SKF drawings

